

What is claimed is:

1. A polypropylene-based resin composition for metallized films, comprising:

(A) 100 parts by weight of a propylene random copolymer having the properties (a-1) to (a-5):

(a-1) propylene unit present at 88 to 99.5% by mol, and ethylene and/or butene structural unit present at 0.5 to 12% by mol,

(a-2) melt flow rate (MFR_A) of 1 to 30g/10 minutes,

(a-3) polydispersity index (PI), determined by the melt viscoelasticity analysis, of 2.4 to 4,

(a-4) solubles contained at 20°C or lower, determined by cross fractionation chromatography (CFC), at 1.5% by weight or less, and the solubles having a weight-average molecular weight of 0.1×10^4 to 6.0×10^4 , and

(a-5) solubles contained at 40°C or lower, determined by cross fractionation chromatography (CFC), at 4.0% by weight or less, and the solubles having a weight-average molecular weight of 0.1×10^4 to 8.0×10^4 ,

(B) 0.01 to 6 parts by weight of a polyethylene resin having a density of 0.945 to 0.980g/cm³, melt index (MI_B) of 1 to 1000g/10 minutes, and ratio of MI_B to MFR_A, i.e., (MI_B/MFR_A) ratio, of 0.7 to 1000,

(C) 0.01 to 0.7 parts by weight of an antiblocking agent having an average particle size of 1.0 to 5.0μm and pore volume of 1.7mL/g or less,

(D) 0.01 to 0.5 parts by weight of an antioxidant having a molecular weight of 500 or more, and

(E) 0.005 to 0.5 parts by weight of a hydrotalcite-based compound.

2. The polypropylene-based resin composition according to Claim 1 for metallized films, wherein said propylene random copolymer (A) further has the property (a-6), and antiblocking agent (C) has a pore volume of

0.45mL/g or more and wear rate of 100mg or less:

(a-6) melting point (Tp), determined by differential scanning calorimetry (DSC), of 115 to 150°C.

3. The polypropylene-based resin composition according to Claim 1 or 2 for metallized films, wherein said antioxidant (D) is a phenol- and/or phosphorus-based one.

4. The polypropylene-based resin composition according to one of Claims 1 to 3 for metallized films, wherein said propylene random copolymer (A) is produced in the presence of a metallocene catalyst.

5. A film for metallization, composed of the polypropylene-based resin composition according to one of Claims 1 to 4 for metallized films.

6. The film according to Claim 5 for metallization, satisfying the following relationship:

$$730 \leq 14 \times [\text{HST}] \cdot [\text{YM}] \leq 1340 \quad (1)$$

(wherein, [HST] is a heat seal temperature (unit: °C) at which the load is 3N, and [YM] is a tensile modulus (unit: MPa) of the film).

7. A metallized film comprising the film according to Claim 5 or 6 for metallization, metallized with a metal and/or its oxide.